

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method for recording a recording track and a pit positioned between recording tracks, comprising the steps of recording both the recording track and the pit by ~~sequentially deflecting~~ a single beam from a single electron optical system, by deflecting the beam in a radius direction of a disc and a tangential direction of the disc while rotating the disc.

2. (Currently Amended) A method for recording a recording track and a pit positioned between recording tracks comprising the steps of:

rotating a disc;

recording the recording track by irradiating a beam directly from a single electron optical system onto the disc;

deflecting the beam in a radial direction to a position where a pit is to be formed when the beam reaches a predetermined position on the disc;

recording the pit by irradiating the beam on the disc;

deflecting the beam in a tangential direction; and

deflecting the beam back to the position of the disc where the deflection from the recording of the recording track to the recording of the pit takes place when the beam reaches a predetermined position on the disc.

3. (Previously Presented) An information recording method according to Claim 1, wherein the beam is an electron beam.

4. (Currently Amended) An information recording apparatus including a rotation driving unit for supporting and rotating a disc, a movement driving unit for moving the rotation driving unit in a radius direction of the disc, and a beam irradiating means for irradiating a single beam directly from a single electron optical system onto the disc so as to be freely deflectable, the information recording apparatus comprising:

a deflection signal generating means for generating a radius direction deflection signal for deflecting the single beam to the radius direction of the disc and a tangential direction deflection signal for deflecting the single beam to a tangential direction of the disc; and

a beam deflecting unit for deflecting the single beam on the basis of the radius direction deflection signal and the tangential direction deflection signal to record the track and the pit between tracks on the disc using the single beam deflected in the radial and tangential directions while rotating the disc.

5. (Original) The information recording apparatus according to Claim 4, wherein the beam is an electron beam.

6. (New) The information recording method according to claim 1 wherein the track and the pit are in parallel.

7. (New) The information recording method according to claim 1 wherein both the track and the pit are recorded by the same beam spot.

8. (New) The information recording method according to claim 2 wherein the deflecting of the beam is at a position where a distance between a recorded track position and pit position is closest.

9. (New) The information recording method according to claim 2 wherein when a prepit is formed, the beam is deflected toward a revolution direction.